

DEPARTMENT OF CONSUMER AND INDUSTRY SERVICES COMMUNITY
HEALTH

DIRECTOR'S OFFICE

BUREAU OF HEALTH SYSTEMS – RADIATION SAFETY SECTION

Filed with the Secretary of State on

These rules become effective immediately upon filing with the Secretary of State unless adopted under sections 33, 44 or 45a(6) of 1969 PA 306. Rules adopted under these sections become effective 7 days after filing with the Secretary of State.

(By authority conferred on the director of the department of community health by section 13521 of PA 368 of 1978, as amended, being MCL 333.13521 of the Michigan Compiled Laws and Executive Reorganization Order Nos. 1996-1, 1996-2, and 2003-01, being MCL 330.3101, 445.2001, and 445.2011)

R 325.5396 is added to read as follows:

PART 9. DENTAL X-RAY INSTALLATIONS

R 325.5396. Hand-held portable dental x-ray systems.

Rule 396. (1) X-ray equipment designed to be hand-held shall comply with the general requirements of R 325.5373, excluding subrules (11) and (15).

(2) The x-ray tube housing for tubes designed to be hand-held shall be constructed such that the leakage radiation measured in air at a distance 5 centimeters from any point on the external surface shall not exceed 0.02 mGy (2 milliroentgens) in 1 hour when operated under conditions of maximum radiation output permitted by the design or operating characteristics of the radiation machine.

(3) Operation of a hand-held portable x-ray system shall comply with the general requirements of R 325.5376, excluding subrules (3) and (6).

(4) Protective shielding of at least 0.5 millimeter lead equivalence shall be provided for the operator to protect the operator's torso, hands, face, and gonads from backscattered radiation. If the protective shielding is a backscatter shield attached to the unit, the shield shall be positioned as close to the patient as possible and the operator shall take care to remain in a protective position.

(5) Each operator shall complete the training program supplied by the manufacturer and approved by the department prior to using the x-ray unit. Records of the training shall be maintained on file for examination by the department.

(6) Hand-held dental x-ray systems shall not be used for routine dental radiography in dental offices. This equipment shall only be used for portable use including use in nursing homes, home health care, or for use on special needs patients.

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